

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Serial No.	PENDING
In re Reissue Application of:	Suzuki; Isao
Reissue Filing Date:	HEREWITH
U.S. Patent No.	<b>6,318,171</b>
Issue Date:	<b>November 20, 2001</b>
Based upon Appl. No.	09/451,927
Filing Date:	December 1, 1999
Title:	<b>FLOW RATE SENSOR IMPLEMENTING A PLURALITY OF INNER TUBES LOCATED WITHIN A SENSOR TUBE</b>
Attorney's Docket No:	56231-___ (MKS-___Re)

Mail Stop REISSUE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REISSUE APPLICATION DECLARATION AND POWER OF ATTORNEY  
BY ISAO SUZUKI**

Sir:

I, Isao Suzuki, declare that:

1. My residence address is \_\_\_\_\_ Tokyo, Japan.
2. I am a citizen of J  pan.
3. I believe I am the original, first and sole inventor of the subject matter that is described and claimed in United States patent number **6,318,171** ("the '171 patent" hereinafter), granted on **November 20, 2001**, and for which I solicit a reissue patent.
4. I have read and understand the contents of the attached reissue application, including the specification and claims.

5. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

6. I believe the '171 patent to be wholly or partly inoperative or invalid by reason of my claiming less than I had a right to claim in the patent. Specifically, a flow rate sensor for detecting a flow rate of a fluid not including a sensor tube guide, was not claimed in the patent.

7. The above-identified error in the '171 patent has been corrected in the attached reissue application by adding new claims 9-20. In particular, claims 9-20 are directed to a flow rate sensor that does not include a sensor tube guide.

8. The above-identified errors in the '171 patent arose without any deceptive intent.

9. I appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Mark G. Lappin	Reg. No. 26,618	David M. Mello	Reg. No. 43,799
Toby H. Kusmer	Reg. No. 26,418	Elizabeth E. Kim	Reg. No. 43,334
Jeffrey J. Miller	Reg. No. 39,773	Brian Colandreo	Reg. No. 42,427

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SEND CORRESPONDENCE TO:

Toby H. Kusmer  
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28 State Street  
Boston, MA 02109

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DIRECT TELEPHONE CALLS TO:

Toby H. Kusmer  
Telephone: (617) 535-4065  
Fax: (617) 535-3800

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10. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Date

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Isao Suzuki

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Serial No.	PENDING
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Alexandria, VA 22313-1450

**ASSENT OF ASSIGNEE TO REISSUE**

Sir:

The undersigned *MKS Japan, Inc.*, assignee of the entire interest in the above-mentioned Letters Patent, hereby assents to the accompanying reissue patent application. Attached is a "Statement Under 37 CFR 3.73(b)," establishing the right of the assignee, *MKS Japan, Inc.*, to take action in this reissue application. The undersigned is empowered to sign this certificate on behalf of the assignee.

Respectfully submitted,

*MKS Japan, Inc.*

Date: \_\_\_\_\_

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Statement Under 37 CFR 3.73(b)

Applicant/Patent  
Owner:

**MKS Japan, Inc.**

Application No./Patent  
No.:

**09/451,927/  
6,318,171**

Filed/Issue Date:

**12-1-99/  
11-20-01**

Entitled:

**Flow rate sensor implementing a plurality of inner tubes located  
within a sensor tube**

**MKS Japan, Inc.**

, a

**Corporation (Japan)**

*(Name of Assignee)*

*(Type of Assignee)*

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: **Suzuki; Isao** To: **MKS Japan, Inc.**

The document was recorded in the Patent and Trademark Office at

Reel \_\_\_\_\_ Frame \_\_\_\_\_, or for which thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at

Reel \_\_\_\_\_ Frame \_\_\_\_\_, or for which thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at

Reel \_\_\_\_\_ Frame \_\_\_\_\_, or for which thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Signature: \_\_\_\_\_

## Patent Assignment Abstract f Title

**NOTE: Results display only for issued patents and published applications.  
For pending or abandoned applications please consult USPTO staff.**

### Total Assignments: 1

**Patent #:** 6318171      **Issue Dt:** 11/20/2001      **Application #:** 09451927      **Filing Dt:** 12/01/1999

**Inventor:** ISAO SUZUKI

**Title:** FLOW RATE SENSOR IMPLEMENTING A PLURALITY OF INNER TUBES LOCATED WITHIN A  
SENSOR TUBE

### Assignment: 1

**Reel/Frame:** 010424/0958

**Recorded:** 12/01/1999

**Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** SUZUKI, ISAO

**Exec Dt:** 11/22/1999

**Assignee:** MKS JAPAN, INC.

1-20-32, MIYAMAE, SUGINAMI-KU  
TOKYO, JAPAN

**Correspondent:** WENDEROTH, LIND & PONACK, L.L.P.

NILS E. PEDERSEN  
2033 K STREET, N.W., SUITE 800  
WASHINGTON, DC 20006

Search Results as of: 11/18/2003 11:55:46 A.M.

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If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723  
Web interface last modified: Oct. 5, 2002

12-13-1999

MRD 12.1.99



101220885

To the Honorable Assistant Secretary and Commis  
or copy(ies) thereof.

Record the attached original document(s)

## 1. Name of conveying party(ies):

Isao Suzuki

Additional name(s) of conveying party(ies) attached? no

## 3. Nature of conveyance:

☒ Assignment                      ☐ Merger  
☐ Security Agreement           ☐ Change of Name  
☐ Other

Execution Date: November 22, 1999

## 2. Name and address of receiving party(ies):

Name: MKS JAPAN, INC.

Street Address: 1-20-32, Miyamae, Suginami-ku,  
Tokyo, Japan

City: Country:

Additional name(s) & address(es) attached? no

## 4. Application number(s) or patent number(s): 09/451927

If this document is being filed together with a new application, the execution date of the application is: November 22, 1999A. Patent Application No.(s)  
NEW, filed December 1, 1999B. Patent No.(s)  
, issuedAdditional numbers attached? no

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: WENDEROTH, LIND & PONACK, L.L.P.  
Attn: Nils E. Pedersen, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41). . . . . \$40.00

☒ Enclosed (Check No. 35922)  
☐ Authorized to be charged to deposit account

8. Deposit account number: 23-0975

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Nils E. Pedersen, Reg. No. 33,145  
Name of Person Signing

Signature

December 1, 1999  
Date

Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

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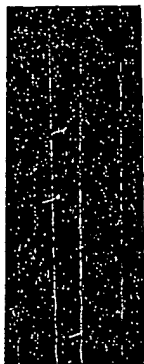
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PATENT  
REEL: 010424 FRAME: 0958



# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Isao SUZUKI

Insert Name(s)  
of Inventor(s)

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)  
of Assignee(s)

MKS JAPAN, INC.

Address

of 1-20-32, Miyamae, Suginami-ku, Tokyo, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of  
Invention

FLOW RATE SENSOR

Date of Signing  
of Application

for which an application for patent in the United States has been executed by the undersigned on  
November 22, 1999

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT  
REEL: 010424 FRAME: 0959



The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary and desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date November 22, 1999, Name of Inventor Isao SUZUKI  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Mayumi Arai  
Witness Toshiyuki Yamazaki

### ACKNOWLEDGEMENT

\_\_\_\_\_  
\_\_\_\_\_ } 89

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_, before me  
personally came the above-named \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date \_\_\_\_\_  
Applicant Reference Number \_\_\_\_\_ Atty Docket No. \_\_\_\_\_  
Title of Invention \_\_\_\_\_  
\_\_\_\_\_

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RECORDED: 12/01/1999

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REEL: 010424 FRAME: 0960